

**Wednesday
February 12th
2020**

9:00 - 9:15	D1W: Welcome Address Location: BIBA Auditorium by Klaus-Dieter Thoben, Dean of the Department of Production Engineering, Managing Director of BIBA and Spokesman of LogDynamics		
9:15 - 9:45	D1P: Introduction and Program Location: BIBA Auditorium by Michael Freitag, Conference Chair and Managing Director of BIBA		
9:45 - 10:30	D1K1: Keynote by Elen Twrdy Location: BIBA Auditorium Chair: Hans-Dietrich Haasis Elen Twrdy, University of Ljubljana: <i>Selected Trends and Challenges in Maritime Logistics</i>		
10:30 - 11:00	Coffee Break / Location: BIBA Hall		
11:00 - 12:30	D1S1T1: Supply Chain Management and Coordination I Location: BIBA Auditorium Chair: Yilmaz Uygun Melanie Zahner, Julia Arlinghaus, Manuel Zimmermann: <i>The Influence of Cognitive Biases on Supply Chain Risk Management in the Context of Digitalization Projects</i> Nadège Ingrid Kamgang Gouanlong, Adama Bidisse: <i>Flow management tools and techniques for logistics performance: An application to the logistics service sector in Cameroon</i> Rami Alkhudary, Xavier Brusset, Pierre Fenies: <i>Blockchain and Risk in Supply Chain Management</i>	D1S1T2: Mathematical Optimization for Planning and Scheduling Location: BIBA Conference Room Chair: Hans-Jörg Kreowski Felix Blank: <i>A hypercube queuing model approach for the location optimization problem of emergency vehicles for large-scale study areas</i> Mykhaylo Postan; Sergey Dashkovskiy; Kateryna Daschkovska: <i>Dynamic Optimization Model for Planning of Multi-Echelon Logistic System Activity</i> Haniyeh Dastyar, Jürgen Pannek: <i>Simulation-based sensitivity analysis of dynamic contract extension elements in supplier development</i>	
12:30 - 14:00	Lunch Break / Location: Mensa		
14:00 - 15:30	D1S2T1: Supply Chain Management and Coordination II Location: BIBA Auditorium Chair: Aseem Kinra Haniyeh Dastyar, Ali Mohammadi, Moslem Ali Mohamadlou: <i>Prioritizing Supply Chain Agility Factors Using Fuzzy Analytic Network Process (FANP)</i> Ayesha Khan, Sayed Mehdi Shah, Hans-Dietrich Haasis, Michael Freitag: <i>Influence of Supply Chain Management & Logistics in the Wake of CPEC on Domestic Industry in Pakistan</i> Hawa Hishamuddin, Mohd Azizi Abd Aziz, Noraida Azura Md Darom, Mohd Nizam Abd Rahman, Nizaroyani Saibani: <i>A Disruption Management Model for a Production-Inventory System Considering Green Logistics</i>	D1S2T2: Agent-based Modelling, Simulation, and Optimization Location: BIBA Conference Room Chair: Michael Lawo Guilherme Ernani Vieira, Enzo Morosini Frazzon: <i>Searching for production robustness through simulation-based scheduling optimization</i> Gabriel Icarte, Paulina Berrios, Raul Castillo, Otthein Herzog: <i>A Multiagent System for Truck Dispatching in Open-pit Mines</i> Raheen Khalid, Stanislav Chankov: <i>Drone Delivery Using Public Transport: An Agent-Based Modelling and Simulation Approach</i>	D1S2T3: Guided Tour LogDynamics Lab I Location: BIBA Hall Chair: Matthias Burwinkel
15:30 - 16:00	Coffee Break / Location: BIBA Hall		
16:00 - 17:30	D1S3T1: Supply Chain Management and Coordination III Location: BIBA Auditorium Chair: Walter Lang Michael Freitag, Herbert Kotzab: <i>A concept for a consumer-centered sustainable last mile logistics</i> Bastian Mrutzek, Herbert Kotzab, Erdem Galipoglu: <i>The Omnichannel Retailing Capabilities Wheel</i> Kristina Petljak, Herbert Kotzab: <i>Sustainable Retail Supply Chain Management – a bibliometric viewpoint</i>	D1S3T2: Distributed Planning and Control Location: BIBA Conference Room Chair: Jürgen Pannek Ziqi Zhao, Oliver Antons, Julia C. Arlinghaus: <i>Autonomous Production Control Methods - Job Shop Simulations</i> Hendrik Engbers, Simon Leohold, Michael Freitag: <i>Individual Predictive Maintenance Approach for Diesel Engines in Rail Vehicles</i> Oliver Antons, Julia C. Arlinghaus: <i>Modelling Autonomous Production Control: A guide to select the most suitable modelling approach</i>	
17:30 - 19:00	Get Together / Location: BIBA Hall		

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9:00 - 9:45	<p>D2K1: Keynote by Johannes Fottner Location: BIBA Auditorium Chair: Michael Freitag</p> <p>Johannes Fottner, Technical University of Munich: <i>Autonomous systems in intralogistics - State of the art and future research challenges</i></p>		
9:45 - 10:30	<p>D2K2: Keynote by Jakub Piotrowski Location: BIBA Auditorium Chair: Michael Freitag</p> <p>Jakub Piotrowski, BLG LOGISTICS GROUP AG & Co. KG: <i>An agile approach to deal with innovations in complex operations of a logistics service provider</i></p>		
10:30 - 11:00	<p>Coffee Break / Location: BIBA Hall</p>		
11:00 - 12:30	<p>D2S1T1: Maritime Logistics I Location: BIBA Auditorium Chair: Hans-Dietrich Haasis</p> <p>Sarah Pfoser, Lisa-Maria Putz, Eva Jung: <i>Recommendations for Human Resources Development in Danube Inland Ports</i></p> <p>Alberto De Marco, Hussein Fakhry, Marco Postorino, Zakaria Mammam, Hakim Hacid: <i>System Dynamics Modeling of Logistics Hub Capacity: the Dubai Logistics Corridor Case Study</i></p> <p>Thimo Schindler, Christoph Greulich, Dennis Bode, Arne Schuldt, André Decker: <i>Towards Intelligent Waterway Lock Control for Port Facility Optimisation</i></p>	<p>D2S1T2: Collaborative Planning and Control I Location: BIBA Conference Room Chair: Yilmaz Uygun</p> <p>Antônio G. N. Novaes, Orlando Fontes Lima Jr, José Eduardo Souza De Cursi, Jaime Andres Cardona Arias, José Benedito Silva Santos Júnior: <i>Predictive Manufacturing Tardiness Inference in OEM Milk-Run Operations</i></p> <p>Bernd Nieberding, Johannes Kretzschmar: <i>Implementation of a Total Cost of Ownership Model for Last-Mile Logistics as a Constraint Satisfaction Problem</i></p> <p>Silvio Luiz Alvim, Jose Benedito Silva Santos Junior, Carlos Manuel Taboada Rodriguez: <i>A theoretical framework assessment proposal for a complexity degree measurement on a supply chain network</i></p>	<p>NIMBLE Session I: B2B Platforms for Supply Chain Management and Logistics Location: IW3 Auditorium</p> <p>Oliver Jung from Salzburg Research: <i>NIMBLE, the B2B platform for seeking suitable supply chain partners, negotiate contracts, supply logistic and develop B2B and M2M information exchange</i></p> <p>Benjamin Mandler from IBM: <i>Blockchain and smart contracts for the supply-chain: an overview from IBM</i></p> <p>Stefan Wellsandt from Bremen University, Lars Oscarson from Lindbacks: <i>Demonstrating track and trace capabilities for an EcoHouses Industry Supply Chain</i></p>
12:30 - 14:00	<p>Lunch Break / Location: Mensa</p>		
14:00 - 15:30	<p>D2S2T1: Maritime Logistics II Location: BIBA Auditorium Chair: Frank Arendt</p> <p>Michael Görge, Michael Freitag: <i>On the influence of structural complexity on autonomously controlled automobile terminal processes</i></p> <p>Nicole Nellen, Michaela Grafelmann, Justin Ziegenbein, Ann-Kathrin Lange, Jochen Kreuzfeldt, Carlos Jahn: <i>Literature Classification on Container Transport Systems for Inter-Terminal Transportation</i></p> <p>Henokh Yernias Fibrianto, Bonggwon Kang, Bosung Kim, Soondo Hong, Kap Hwan Kim, Annika Marbach, Hans-Dietrich Haasis, Tobias Buer: <i>A Simulation Study of a Storage Policy for a Container Terminal</i></p>	<p>D2S2T2: Collaborative Planning and Control II Location: BIBA Conference Room Chair: Aseem Kinra</p> <p>Herbert Kotzab, Ilja Bäuml, Paul Gerken: <i>Supply Chain Integration: A Bibliometric Analysis</i></p> <p>Juri Reich, Tina Wakolbinger, Aseem Kinra: <i>A supply chain decision support model for global business process outsourcing in services industries</i></p> <p>Panchalee Praneetpholkrang, Van Nam Huynh: <i>Shelter Site Selection and Allocation Model for Efficient Response to Humanitarian Relief Logistics</i></p>	<p>NIMBLE Session II: B2B Platforms for Supply Chain Management and Logistics Location: IW3 Auditorium</p> <p>Jeaneth Johansson, Diana Chroneer, Mari Runardotter from Lulea University of Technology: <i>Accelerating B2B Platforms</i></p> <p>Juan Del Agua Navarro from AIDIMME: <i>Presenting the Furniture Manufacturing Platform and demonstrating the supply of logistic for an International, Furniture Manufacturing Supply Chain</i></p> <p>NIMBLE project partners: <i>Meet the project partners</i></p>
15:30 - 16:00	<p>Coffee Break / Location: BIBA Hall</p>		
16:00 - 17:30	<p>D2S3T1: Maritime Logistics III Location: BIBA Auditorium Chair: Burkhard Lemper</p> <p>Janna Franzkeit, Hannah Pache, Carlos Jahn: <i>Waiting Ships: An AIS Case Study</i></p> <p>Paul Gerken, Herbert Kotzab, Hans G. Unsel: <i>Resource Sharing as a management concept for digital logistics terminals</i></p> <p>Patrick Specht, Herbert Kotzab: <i>Coordinating the seaport-hinterland interface: Theoretical and methodological insights from scientific literature</i></p>	<p>D2S3T2: Multi-modal Transport Location: BIBA Conference Room Chair: Herbert Kotzab</p> <p>Artur Schütz, Maik Groneberg: <i>Sensor Simulation and Evaluation for Infrastructure-Free Mobile Sensor Carrier Platforms</i></p> <p>Marvin Kastner, Ann-Kathrin Lange, Carlos Jahn: <i>Expansion Planning at Container Terminals</i></p> <p>Hani Shahmoradi-Moghadam, Omid Samani, Jörn Schöneberger: <i>A Hybrid Robust-Stochastic Optimization Approach for The Noise Pollution Routing Problem with a Heterogeneous Vehicle Fleet</i></p>	<p>D2S3T3: Intelligent Intra-logistics Systems Location: IW3 Auditorium Chair: Otthein Herzog</p> <p>Juliane Fischer, Haitham Elfahaam, Ulrich Epple, Birgit Vogel-Heuser: <i>Handover Abilities in Reconfigurable Material Flow Systems for Topology Computing</i></p> <p>Thomas Depner, Liu Cao, Hagen Borstell: <i>PalletAssist - Concept for a multisensor-based assistance system for safe handling of palletized goods with forklift trucks</i></p> <p>Magnus Redeker, Axel Wagenitz: <i>An edge neural cyber-physical production system: products monitoring their production recommend adaptations of their schedule</i></p>
18:30 - 22:00	<p>Conference Dinner / Location: Union Brauerei / Bus Shuttle: 17:45 and 18:00</p>		

**Friday
February 14th
2020**

9:00 - 9:45	D3K1: Keynote by Alexander Hübner Location: BIBA Auditorium Chair: Herbert Kotzab Alexander Hübner, Technical University of Munich: <i>Operations in Omni-Channel Retailing</i>		
9:45 - 10:00	Best Paper Award Location: BIBA Auditorium Chair: Herbert Kotzab		
10:00 - 10:30	Coffee Break / Location: BIBA Hall		
10:30 - 12:00	D3S1T1: Intelligent Production and Logistics Systems I Location: BIBA Auditorium Chair: Hendro Wicaksono Ícaro Romolo Sousa Agostino, Charles Ristow, Enzo Morosini Frazzon, Carlos Manuel Taboada Rodriguez: <i>Perspectives on the Application of Internet of Things along Logistics Systems</i> Julia Feldt, Henning Kontny: <i>AIDA 4.0: Architectures of Industry 4.0 Demonstrated Through Application Scenarios in Business Game</i> Satie L. Takeda-Berger, Enzo Morosini Frazzon, Eike Broda, Michael Freitag: <i>Machine learning in production scheduling: an overview of the academic literature</i>	D3S1T2: Human/Machine Interaction I Location: BIBA Conference Room Chair: Klaus-Dieter Thoben Carsten Feldmann, Tim Woltering, André Sardoux Klasen: <i>Augmented Reality in the Packing Process: A Model for Analyzing Economic Efficiency</i> Matthias Klumpp, Vera Hagemann, Martina Schaper: <i>Assessment of Cognitive Strain in Digital Logistics Work: Background, Analysis and Mitigation</i> Kavith Balachandra, H. Niles Perera, Amila I.G. Thibbotuwawa: <i>Human factor in forecasting and behavioral inventory decisions: a system dynamics perspective</i>	D3S1T3: Guided Tour Artificial Intelligence Lab Location: TAB Building Session Chair: Matthias Burwinkel
12:00 - 13:30	Lunch Break / Location: Mensa		
13:30 - 15:00	D3S2T1: Intelligent Production and Logistics Systems II Location: BIBA Auditorium Chair: Nicole Megow Uwe Aßmann, Udo Buscher, Sven Engesser, Jörn Schöneberger, Leon Urbas: <i>Software-Defined Mobile Supply Chains</i> Andreas Neubert: <i>Clustering for Monitoring Logistical Processes in General Cargo Warehouses</i> Marius Veigt, Marco Cen, Elisabeth Hardi, Walter Lang, Michael Freitag: <i>Using RFID to monitor the curing of aramid fiber reinforced polymers</i>	D3S2T2: Human/Machine Interaction II Location: BIBA Conference Room Chair: Robert Porzel Jasper Wilhelm, Thies Beinke, Michael Freitag: <i>Improving Human-Machine Interaction with a Digital Twin: Adaptive Automation in Container Unloading</i> Christoph Petzoldt, Dennis Keiser, Thies Beinke, Michael Freitag: <i>Requirements for an Incentive-based Assistance System for Manual Assembly</i> Moritz Quandt, Hendrik Stern, Supara Grudpan, Thies Beinke, Michael Freitag, Rainer Malaka: <i>Evaluation of Human-Computer-Interaction Design in Production and Logistics by Using Experimental Investigations</i>	D3S2T3: Guided Tour LogDynamics Lab II Location: BIBA Hall Session Chair: Matthias Burwinkel
15:00 - 15:30	D3S3T1: Closing and Farewell / Location: BIBA Auditorium Location: BIBA Auditorium Chair: Michael Freitag		